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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,574	04/04/2006	Kouichi Sakata	2101-27	9285
23117 7590 NIXON & VANDERHYF, PC 901 NORTH GLEBE ROAD, 11TH FLOOR			EXAMINER	
			PEPITONE, MICHAEL F	
ARLINGTON, VA 22203			ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/574.574 SAKATA ET AL. Office Action Summary Examiner Art Unit MICHAEL PEPITONE 1796 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 11 December 2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1.3.5 and 7-13 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1,3,5 and 7-13 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s)

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Imformation Disclosure Statement(s) (PTC/G5/08)
Paper No(s)/Mail Date ______.

Interview Summary (PTO-413)
Paper No(s)/Mail Date.

6) Other:

Notice of Informal Patent Application

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/6/09 has been entered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior at are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

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Claims 1, 5, and 7-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Uno et al. (US 2002/0188073) in view of Joachimi et al. (US 2003/0130381).

Regarding claims 1 and 5: Uno et al. teaches a polyester molding composition comprising 30 to 95 parts by weight PBT (\P 24-25, 27), 1-30 parts by weight of polyester elastomer (\P 32), and 1-30 parts by weight polycarbonate {total is 100 parts by weight} {based on total of resin} (\P 1-2, 11-15, 20).

Uno et al. does not teach aromatic polycarboxylic acid ester plasticizer in an amount of 1 to 10 parts by weight. However, Joachimi et al. teaches a moulding composition (¶ 1, 26-31) comprising polybutylene terephthalate (¶ 42, 47-48, 50-51, 53, 102) and polycarbonate (¶ 54; 102), in an amount of 35 to 99.999 wt% (¶ 27); an elastomer (¶ 32-34, 115, 125-128), in an amount of 0 to 30 wt% (¶ 30); and a plasticizer (¶ 117, 124) in an amount of 0 to 30 wt% (¶ 30), specifically dioctyl phthalate {phthalic acid dioctyl ester} (¶ 124), which has an index of refraction of 1.49 [instant claim 5]. Uno et al. and Joachimi et al. are analogous art because they are concerned with a similar technical difficulty, namely the preparation of PBT/PC/elastomer moldings. At the time of invention a person of ordinary skill in the art would have found it obvious to have combined 0 to 30 wt% dioctyl phthalate, as taught by Joachimi et al. in the invention of Uno et al., and would have been motivated to do so since Joachimi et al. suggests that dioctyl phthalate is a suitable plasticizer for PBT/PC/elastomer molding material (¶ 117, 124).

The Office realizes that all the claimed effects or physical properties are not positively stated by the reference. However, the reference teaches all of the claimed reagents and was prepared under similar conditions. Therefore, the claimed effects and physical properties, i.e. a

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laser weldable resin composition, would implicitly be achieved by a composition with all the claimed ingredients. If it is the applicants' position that this would not be the case: (1) evidence would need to be presented to support applicant's position; and (2) it would be the Office's position that the application contains inadequate disclosure that there is no teaching as to how to obtain the claimed properties and effects with only the claimed ingredients.

Regarding claims 7-8: Uno et al. teaches a glass fibers and glass flakes {glassy filler} [instant claim 7-8] (¶ 35, 38).

Regarding claim 9: Uno et al. teaches a nucleating agent (¶ 42, 46).

Regarding claims 10-11: Uno et al. teaches molded parts [instant claim 11] (¶ 11, 90, 96).

The Office realizes that all the claimed effects or physical properties are not positively stated by the reference. However, the reference teaches all of the claimed reagents and was prepared under similar conditions. Therefore, the claimed effects and physical properties, i.e. a fluctuation range of light transmittance is not more than 10% [instant claim 10], would implicitly be achieved by a composition with all the claimed ingredients. If it is the applicants' position that this would not be the case: (1) evidence would need to be presented to support applicant's position; and (2) it would be the Office's position that the application contains inadequate disclosure that there is no teaching as to how to obtain the claimed properties and effects with only the claimed ingredients.

Regarding claims 12-13: Uno et al. does not teach laser welding of a molded product and counterpart [instant claim 12], wherein the first molded product is in contact with the laser beam {laser transparent} and the counterpart is located on the receiving side [instant claim 13].

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However, Joachimi et al. teaches laser welding of a molded product and counterpart [instant claim 12] (¶ 1, 24-30, 42, 139-149, 155-161), wherein the first molded product is in contact with the laser beam {laser transparent} and the counterpart is located on the receiving side [instant claim 13] (¶ 160-161, tables 5 and 6). Uno et al. and Joachimi et al. are analogous art because they are concerned with a similar technical difficulty, namely the preparation of PBT/PC/clastomer moldings. At the time of invention a person of ordinary skill in the art would have found it obvious to have laser welded a molded product and counterpart [instant claim 12], wherein the first molded product is in contact with the laser beam {laser transparent} and the counterpart is located on the receiving side, as taught by Joachimi et al. in the invention of Uno et al., and would have been motivated to do so since Joachimi et al. suggests that laser welding of {PBT/PC/elastomer} molding compositions allows the production of molded parts having a high surface quality that can be reliably joined to laser transparent molded parts by a laser welding process (¶ 24).

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Uno et al. (US 2002/0188073) in view of Joachimi et al. (US 2003/0130381), as applied to claim 1 above, in further view of Houston et al. (US 2002/0190408).

Regarding claim 3: Uno et al. and Joachimi et al. renders the basic claimed composition obvious [as set forth above with respect to claim 1].

Uno et al. does not teach an elastomer with a refractive index of 1.52 to 1.59. However, Houston et al. teaches the refractive index of an elastomer should be chosen to produce an isorefractive system between the two phases present in order to minimize light scattering (¶ 54).

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Uno et al. and Houston et al. are analogous art because they are concerned with a similar technical difficulty, namely the preparation of plasticized thermoplastic-clastomer moldings (¶ 1, 52). At the time of invention a person of ordinary skill in the art would have found it obvious to have combined elastomers having an refractive index to create an iso-refractive system, as taught by Houston et al. in the invention of Uno et al., and would have been motivated to do so since Houston et al. suggests that matching the refractive indexes of the phases {elastomeric and thermoplastic} provides materials with reduced light scattering (¶ 54).

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., In re Berg, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); In re Goodman, II F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); In re Longi, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); In re Van Ornum, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); In re Vogel, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and In re Thorington, 418 F.2d 528, 163 USPO 644 (CCPA 1962).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1, 7-8, and 10-13 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-14 of U.S. Patent No. 7,396,428. Although

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the conflicting claims are not identical, they are not patentably distinct from each other because the claimed PBT molded product and laser welding process substantially overlap in scope.

Response to Arguments

The rejection of claims 1, 3, 5, and 7-13 based on Uno *et al.* (US 2002/0188073), Joachimi *et al.* (US 2003/0130381), and Houston *et al.* (US 2002/0190408) is maintained for reason of record and following response.

Uno et al. (US '073) discloses a polyester molding composition comprising 30 to 95 parts by weight PBT {copolymer of terephthalic acid, isophthalic acid (3-30 mol%), and 1, 4-butanediol} (¶24-25, 27), 1-30 parts by weight of polyester elastomer (¶32), and 1-30 parts by weight polycarbonate {total is 100 parts by weight} {based on total of resin} (¶1-2, 11-15, 20).

Uno et al. (US '073) is silent to use of plasticizers. Dioctyl phthalate is a well know plasticizer, and Joachimi et al. (US '381) discloses plasticizers (¶ 117, 124) in an amount of 0 to 30 wt% (¶ 30), specifically dioctyl phthalate in a similar molding composition. Although Uno et al. (US '073) is silent to laser welding, the combined teachings of Uno et al. (US '073) and Joachimi et al. (US '381) would afford a PBT/PC/elastomer molding composition which would be capable of undergoing a laser welding procedure. Furthermore, Joachimi et al. (US '381) clearly discloses polybutylene terephthalate as a candidate for a thermoplastic laser weldable composition (¶ 42, 47-48, 50-51, 53, 102), i.e. the prior art discloses laser welding compositions comprising PBT and PC (¶ 102).

In response to applicant's argument that the PBT copolymer of Uno et al. (US '073) is used for improvement of the alkali resistance and moldability: and that the PBT-series copolymer

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of the instant invention is for laser welding, a recitation of the intended use of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim.

Houston et al. (US '408) is relied upon for production of an iso-refractive system such that light scattering between phases {thermoplastic and elastomer phases} is reduced. The scattering of light (laser light) would be problematic for a molding composition which will undergo a laser welding process.

In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).

A showing of unexpected results {the composition uniformly welded to a counterpart material} must be based on evidence, not argument or speculation. *In re Mayne*, 104 F.3d 1339, 1343-44, 41 USPQ2d 1451, 1455-56 (Fed. Cir. 1997) [See MPEP 2145].

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL PEPITONE whose telephone number is (571)270-3299. The examiner can normally be reached on M-F, 7:30-5:00 EST.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Eashoo can be reached on 571-272-1197. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Mark Eashoo/ Supervisory Patent Examiner, Art Unit 1796 MFP 10-March-09